

## Purchase Order Receipt Listing

Monday, August 14, 2017 9:55:14 AM

All Vendors PO ID PO37092 Receipt Dates from 8/11/2017 to 8/11/2017 All Line Item Types  
 All Item ID/GL/WOs All Rec. Employees All Currencies  
 Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
PO37092	2	VU-MET002	A.M. Castle & Co. (Canada) Inc.- C/O 910720	M7075T6S0.375X8.0 f 00 388	8/14/2017 5	8/11/2017	12.0000	0.0000	0	\$0.00	
USD	No	7075-T6S Sheet .375" Thick Plate x 8" Wide	f 9-89	7075-T6S Sheet .375" Thick Plate x 8" Wide	12.0000	QUIR01 M138277	0.0000	0	0.0000		

Total Received Quantity:  
 Total Qty to Inspect (PO U/M):  
 Total Reject Quantity:  
 Total Receipt Value:  
 Total Balance Due Quantity:

12.0000  
 0.0000  
 0.0000  
 0.0000  
 0.0000



PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

A. M. Castle & Co.

PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No:3353912

Ship From:	Sold To:		Ship To:	Deliver To:
A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN
Date Shipped	F.O.B.	Freight Terms	Carrier	BOL No
10-AUG-17	ORIGIN	Prepaid	MANITOULIN	3353912-2
Shipment Details	Final Destination Branch - TOR			
Order No	Line No	Item No	Description	
4828926	2	750067.MO	0.3750.PL.7075.T651.ALUMINUM.48.5000.144.5000 CUT 2SIDED TO 8 IN ( + .1250/- .0000 IN) X 144.5 IN ( + .1250/- .0000 IN) - ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12	
Purchase Order No	Part Number	Ordered Qty	Invoice Qty	
37092		1.00 PCS	1.00 PCS	
Details	ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S Email P/s and certs to: clavole@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS			
Delivery No.	Mill	Heat Number	Mech Id	PCS
121208758		DAS 5 178681989	1	1 5 8 9 1 0 AUG 14 2017
			Width (IN)	Length (IN)
			5.80	45.4181
			Shipped Qty (LBS)	

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned.

Reviewed by Authorized Castle Metals Representative:

SHIPPED AUG 10 2017 Date:

Name:

*cl. R. Rauden*

Date Printed: 10-AUG-2017 03:21:42 PM

SHIP TO:  
A M CASTLE & CO  
3050 SOUTH HYDRAULIC  
WICHITA, KS 67216

SOLD TO:  
AM CASTLE & CO- SOLD TO  
1420 KENSINGTON RD  
SUITE 220  
OAK BROOK, IL 60523

**KAISER**  
**ALUMINUM**

Trentwood Works - Spokane, WA 99215  
Phone: (800) 367-2586

## CERTIFIED TEST REPORT

Serial Number  
4431950

CUSTOMER PO NUMBER: 385598-1	WORK PACKAGE:	CUSTOMER PART NUMBER: 750067	SHIP RUN/LOAD: 103675/8	GOVT CONTRACT NUMBER:
KAISER ORDER NO: 1215472-1	SHIP DATE: 5-SEP-2016	ALLOY: 7075	CLAD: BARE	TEMPER: T651
WEIGHT SHIPPED: 3332 LB	QUANTITY: 12 PCS EST.	TRUCK BUL #: 2062279	GAUGE: 0.3750 IN (-9.5250 MM)	DIAMETER/WIDTH: 48.500 IN (1231.9 MM)

MHU 2026201: LOT 178168B1: 12 pieces;

### Certified Specifications

AMS 4045/RevL  
CMMP 025/RevV

ASTM B 209/Rev14

AMS-QQ-A-250/12/RevA

DAS Test Code: 1512  
5 Lot: 178168B1 Cast 211  
9-89

Test Results  
Drop 65 Ingot 1

Melted in USA

(ASTM E8/B557)  
(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T651	LT / 2 (Min:Max)	85.1 : 85.8 (587 : 590)	75.6 : 76.2 (521 : 525)	12.8 : 13.6

(ASTM E1251)

Chemistry:	Si	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	OTER
Actual(wt%)	0.08	0.17	1.5	0.03	2.5	0.19	5.7	0.03	0.01	0.01	TOT	0.05

### ALLOY LIMITS

7075	Si	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
MIN(wt%)	0.00	0.00	1.2	0.00	2.1	0.18	5.1	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.05	TOT	0.15

Aluminum Remainder

ORDER COMMENTS  
AMC CA-15409 R 3



Trentwood Works - Spokane, WA 99215  
Phone: (800) 367-2586

## CERTIFIED TEST REPORT

Serial Number  
4431950

### CERTIFICATION

Kaiser Aluminum, Trentwood Works, is ISO 9001, AS9100, and ISO 14001 certified, and hereby certifies that all material shipped under this order:

- has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein.
- All test equipment and measuring devices are calibrated and certified in accordance applicable specifications. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. Reported elongation values have been measured as elongation at fracture.
- was melted in the United States of America or a qualifying country per DFARS 225.872-1(a). Was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.
- has been thermally processed in compliance with AMS 2772, where applicable.
- is mercury free, within the limits of detection of ASTM E1215 (< 1ppm).
- is in compliance with RoHS 2, European Union Directive 2011/65/EU.
- is in compliance with European Chemical Agency, ECHA, REACH regulations, (EC) No 1907/2008, and Kaiser regularly monitors these regulations for updates.
- is free of Conflict Minerals as defined in Section 15.2 of the Dodd-Frank Act.
- is free of weld repair.
- meets the reporting requirements of EN10204, Type 3.1.

Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

JAMES HEMENWAY, TECHNICAL PROCESS MANAGER

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M7075TC SG, 3.75X81000  
 DATE: AUG 15 2017

PO / BATCH NO.: P037092/M38277

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 12  
 QUANTITY INSPECTED: 12  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .375  
 THICKNESS RECEIVED: .385  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/>	N
CORROSION	Y <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/>	N
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/>	AmSGQ 4750/12
CORRECT THICKNESS	Y <input checked="" type="checkbox"/>	N
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/>	N 44# 178168B1
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/>	N
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/>	N
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>5</u>	SIGNED OFF BY: _____
DATE: <u>AUG 15 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

△ PURCHASE MATERIAL: 7075-T6/T62/T651 ALUMINUM SHEET OR PLATE

SPECIFICATION: QQ-A-250/12 OR AMS 4045  
OR AMS 4049  
OR ASTM B209

OR

△ PURCHASE MATERIAL: 7075-T6/T62/T651 ALCLAD ALUMINUM SHEET OR PLATE

SPECIFICATION: QQ-A-250/13 OR AMS 4048 / 4049  
OR AMS 4048 / 4049  
OR ASTM B209

OR

△ PART NUMBER: M7075T6S | TTT | X | WWWWW |  
| THK | | WIDTH |

WHERE "TTT" = THICKNESS (IN INCHES)  
AND "WWWWWW" = WIDTH (IN INCHES, OPTIONAL, FOR SPECIFYING CUT PLATE)

EG. 0.063" THICK SHEET = M7075T6S.063

EG. 3.5" WIDE BY 0.500" THICK PLATE = M7075T6S.5000X3.500

△ PREFERRED SIZE:

.TTT BY 4FT BY 10FT FOR SHEET

**RELEASED**

2017 JUN 19 ✓  
ECN 17-574

**APPROVED**

17.05.05

B		ADD. REF TO "PLATE": "T651" TEMPER, AMS 4046, OPTIONAL, WIDTH DIM (CAR16-149)		CP	17.05.05
A		NEW ISSUE		RF	10.11.08
REV.		DESCRIPTION		BY	DATE
DESIGN	RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA			
DRAWN	CP	DRAWING NO.			
CHECKED	ML	REV. B			
MF.G. APPR.	LL	SHEET 1 OF 1			
APPROVED	WM	TITLE			
DE APPR.	DS-#	7075-T6 SHEET/PLATE SPEC			
DATE	17.05.05	SCALE			
		NTS			

1  
2

A

B

A

B

## Chantal Lavoie

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**From:** Desbiens, Marc <mdesbien@amcastle.com>  
**Sent:** Monday, July 17, 2017 8:55 AM  
**To:** Chantal Lavoie  
**Subject:** RE: quote

Hi Chantal,

price and delivery on mat'l.

7075T73 BAR 3" X 4" X 8 PCS CUT AT 4FT grain direction along the 3"

Offer plate \$ 302.00 piece 2-3 weeks

7075t6 plate 0.375" x 8" x 12 ft \$ 30.75 Ft 2-3 weeks

7075t6 plate 4" x 4" x 5 pcs cut @ 32" long \$ 254.00 piece mid August

Thanks

Marc Desbiens  
Inside sales representative  
Castle Metals, Montreal, QC  
Direct line 514-795-8176  
1-800-806-6660 ext 52226  
Fax # 1-855-892-6370

*Customized Supply Chain Solutions for Your Metal Needs*

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## Chantal Lavoie

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**From:** Desbiens, Marc <mdesbien@amcastle.com>  
**Sent:** Monday, July 17, 2017 10:49 AM  
**To:** Chantal Lavoie  
**Subject:** RE: quote

Hi Chantal,

price and delivery on mat'l.

7075-t6 plate 1.750" x 10.500" x 12 ft

\$ 100.21 Ft 2-3 weeks

Thanks

Marc Desbiens  
Inside sales representative  
Castle Metals, Montreal, QC  
Direct line 514-795-8176  
1-800-806-6660 ext 52226  
Fax # 1-855-892-6370

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**Chantal Lavoie**

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**From:** Linda Lacelle  
**Sent:** Thursday, July 13, 2017 1:26 PM  
**To:** Chantal Lavoie; Diane Baker  
**Subject:** next time you order pls

Another 8 billets M7075T73B3.000X4.000 *grain direct 3"*

Merci ☺



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO37092**

Purchase Order Date 7/18/2017

PO Print Date 7/18/2017

Page Number 1 of 2

Order From : VU-MET002

METAUX CASTLE  
P.O. BOX 4090 STN A  
TORONTO, ONTARIO M5W 0E9  
CANADA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

E-MAILED  
JUL 18 2017

Contact Name	Buyer	Chantal Lavoie
Vendor Phone	Customer POID	
Ship To Contact	Customer Tax #	10127-2607
Ship To Phone	Terms	Net 30
Ship Via:	Currency	USD
Ship Acct:	FOB	Destination-Collect

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M7075T73B3.000X4.000	7075-T73 Bar 3.0 x 4.0 grain direction along 3"	8/10/2017	12.00	✓	\$75.50	\$906.00
			Promise Date				
			Yes		f		
			8/10/2017				
						SDP 8-9.	
						Line Total:	\$906.00
2	M7075T6S0.375X8.000	7075-T6S Sheet .375" Thick Plate x 8" Wide	8/10/2017	12.00	✓	\$30.75	\$369.00
			Yes		f		
			8/10/2017			DAS 6 AUG 14 2017 9-89	
		MAT'L 7075-T6/T62 ALUMINUM SHEET SPECS QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR PER ASTM B209					
		MAT'L 7075-T6/T62 ALCLAD ALUMINUM SHEET SPECS QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4049 OR PER ASTM B209					
						Line Total:	\$369.00

Note:

